

# Mab to Keratins Type I & II



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| <b>Clone Determination</b>                           | AE 1 / AE 3   |
| <b>Category</b>                                      | Mouse monoclonals   |
| <b>Immunoglobulin Class</b>                          | All IgG1  |
| <b>Purification/Form</b>                             | Affinity chromatography   |
| <b>Antigen</b>                                       | Human epidermal keratin   |
| <b>Description/Specificity</b>                       | AE 1/AE 3 represents an excellent marker for distinguishing carcinomas from non-epithelial tumors; reacts with all epithelium-derived tumors and their neoplasms. Decorates the majority of type I and type II keratins (formerly also designated cytokeratins). Polypeptides reacting: Mr 40 000, Mr 48 000 and Mr 50 000 polypeptides of human epithelial proteins (keratins nos. K19, K16, K14) and most other acidic (type I) keratins (AE1); most basic (type II) keratins (Mr 52 500 - 68 000) of human epithelia (AE3) |
| <b>Antigen Recognized in Species</b> (tested so far) | Human, rabbit, mouse, rat, bovine, chick, monkey, guinea pig  |
| <b>Application</b>                                   | Suitable for <ul style="list-style-type: none"><li>• <b>frozen</b> and <b>paraffin</b>-embedded tissue</li><li>• cytological material</li><li>• immunoblotting (Western)</li></ul>  |
| <b>Pretreatment</b>                                  | With paraffin-embedded sections, protease pretreatment is recommended prior to antibody application   |
| <b>Working Dilution</b>                              | Dilute 1:100 - 1:200 in PBS pH 7.4 for use in immunohistochemistry  |
| <b>Incubation Time</b>                               | 2h at 37°C (or overnight at 2 - 8°C)  |
| <b>Storage</b>                                       | At 2 - 8°C  |
| <b>Quantity</b>                                      | 200 µg (c = 1 mg/mL); contains 0.09% sodium azide   |
| <b>Cat. No.</b>                                      | 61835   |

## AE 1 / AE 3

### References

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